STIC Search Report

EIC 2100

USPTO

TO: David Cervetti
Location: RND 2D30
Art Unit: 2136
Tuesday, December 20, 2005

Case Serial Number: 09/895703

From: Ruth E. Spink
Location: EIC 2100
RND-4B31
Phone: 23524

Ruth.spink@uspto.gov

Search Notes

David – Attached is the foreign patent and NPL search for the above referenced case. I tagged a few that I thought might be of particular interest. Be sure to let me know if you would like for me to refocus the search.

Ruth

Today's Date: 12/20/05

What date would you like to use to limit the search?

Priority Date: 6/29/2001   Other:

Name __David Cervetti__

AU __2136__   Examiner # __80559__

Room # __RND 2-D-30__ Phone __272-5861__

Serial # __09/895.703__

Format for Search Results (Circle One):

PAPER   DISK   (EMAIL)

Where have you searched so far?

(USP) (DWPI) (EPO) (JPO) (ACM) IBM TDB

(IEEE) INSPEC SPI   Other __Google/Scholar__

Is this a "Fast & Focused" Search Request? (Circle One) (YES)   NO

A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2100 and on the EIC2100 NPL Web Page at http://ptoweb/patents/stic/stic-tc2100.htm.

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

A key pad device that assigns a predetermined value to each key, then it determines which key has been pressed using a predetermined number of steps.

STIC Searcher _____ Phone _____

Date picked up _____ Date Completed _____

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Set       Items    Description
S1       243213    KEY? ?
S2      5575605    VALUE? ? OR NUMBER? ? OR DIGIT? ? OR NUMERAL? ? OR FIGURE?
                     ? OR LETTER? ? OR CHARACTER? ? OR SYMBOL? ?
S3       552459    (PREDETERMIN? OR ASSIGN? ? OR ASSIGNED OR ASSIGNING OR SET?
                     ? OR SETTING OR PRESET OR PRESETTING OR DESIGNATE? ? OR DESI-
                     GNATING OR PRESCRIBE? ? OR PRESCRIBING OR SPECIFIC OR SPECIFI-
                     ED OR SPECIFYING)(3N)S2
S4         4896    S3 (5N) S1
S5       290617    KEYBOARD? ? OR KEYPAD? ? OR KEY()PAD? ? OR DIAL?  ? OR PAD?
                     ?
S6      1063539    PRESS?? OR PUSH?? OR PUNCH??
S7       185278    BUTTON? ? OR PUSHBUTTON? ? OR PRESSBUTTON? ? OR KNOB? ? OR
                     CONTROLKNOB? ? OR PUSHKNOB? ? OR PRESSKNOB? ?
S8         1595    S4 AND (S5 OR S6)
S9          209    S4 AND S5 AND S6
S10         134    S9 AND IC=G06F
S11          42    S4 (10N) S5 (10N) S6
S12          26    S11 AND IC=G06F
S13          26    IDPAT (sorted in duplicate/non-duplicate order)
S14          25    IDPAT (primary/non-duplicate records only)
File 347:JAPIO Nov 1976-2005/Jul(Updated 051102)
        (c) 2005 JPO & JAPIO
File 350:Derwent WPIX 1963-2005/UD,UM &UP=200581
        (c) 2005  Thomson Derwent
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017451694   **Image available**
WPI Acc No: 2005-775369/200580
XRPX Acc No: N05-644691
   **Electronic device e.g. mobile phone identifies individual and
   simultaneous key entry of data** key **of** keyboard **, to input** character
   string with characters   designated **in** pressed **individual** keys
   based on simultaneous key entry of data keys
Patent Assignee: ECOERG KENKYUSHO KK (ECOE-N); KITAMURA T (KITA-I)
Inventor: KINOSHITA R; KITAMURA T
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2005316917	A	20051110	JP 2004158409	A	20040426	200580	B

Priority Applications (No Type Date): JP 2004158409 A 20040426
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2005316917	A		17	G06F-003/023	

Abstract (Basic): JP 2005316917 A
     NOVELTY - An identification unit identifies the individual and
simultaneous key entry of data key of **keyboard** (01), to automatically
input the **character** string with **characters designated** in the
pressed individual **keys** according to simultaneous key entry of data
keys.
     USE - Electronic device with keyboard, e.g. mobile phone.
     ADVANTAGE - Enables user to input the character string efficiently
abd easily by excluding key entry of character string set and without
using the shift key and specific function key.
     DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of the
electronic device. (Drawing includes non-English language text).
     keyboard (01)
     input controller (10)
     key stroke unit (11)
     controller (12)
     memory (15)
     table (16)
     pp; 17 DwgNo 1/13
Title Terms: ELECTRONIC; DEVICE; MOBILE; TELEPHONE; IDENTIFY; INDIVIDUAL;
  SIMULTANEOUS; KEY; ENTER; DATA; KEY; KEYBOARD; INPUT; CHARACTER; STRING;
  CHARACTER; DESIGNATED; PRESS; INDIVIDUAL; KEY; BASED; SIMULTANEOUS; KEY;
  ENTER; DATA; KEY
Derwent Class: T01; T04; U21; W01
International Patent Class (Main): **G06F-003/023**
International Patent Class (Additional): H03M-011/04; H03M-011/08;
  H04M-001/23
File Segment: EPI

14/5/2 (Item 2 from file: 350)

016279014 **Image available**
WPI Acc No: 2004-436909/200441
XRPX Acc No: N04-345701
Character input device in mobile telephone, reads character corresponding to pressed down key of key pad by referring kana character conversion table
Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2004171406	A	20040617	JP 2002338457	A	20021121	200441	B

Priority Applications (No Type Date): JP 2002338457 A 20021121
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2004171406	A		8	G06F-003/023	

Abstract (Basic): JP 2004171406 A
NOVELTY - A kana character storage unit (104) stores the kana character conversion table (105) in which a kana **character** is **set** corresponding to each **key** of **key pad** (101). A controller (103) alters the character allocated to each key arbitrarily and reads the character corresponding to the **pressed** down key by referring the kana character conversion table.
USE - For inputting kana character using keys in keypad of mobile telephone.
ADVANTAGE - The characters are input easily using the key pad and the allocation of the character to each key is altered arbitrarily. Thereby shortening character input time.
DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the character input device. (Drawing includes non-English language text).
key pad (101)
key stroke detector (102)
controller (103)
kana character storage unit (104)
kana character conversion table (105)
display (106)
pp; 8 DwgNo 1/4
Title Terms: CHARACTER; INPUT; DEVICE; MOBILE; TELEPHONE; READ; CHARACTER; CORRESPOND; PRESS; DOWN; KEY; KEY; PAD; REFER; CHARACTER; CONVERT; TABLE
Derwent Class: T01; T04; U21
International Patent Class (Main): **G06F-003/023**
International Patent Class (Additional): **G06F-017/22** ; H03M-011/04; H03M-011/22
File Segment: EPI

14/5/4   (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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015628648
WPI Acc No: 2003-690819/200366
XRPX Acc No: N03-551838
  Quick key method for programmable keyboard
Patent Assignee: TAIWAN TAIMENG ENTERPRISE CO LTD (TATA-N)
Inventor: WANG M
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
CN 1434377	A	20030806	CN 2002102507	A	20020123	200366	B

Priority Applications (No Type Date): CN 2002102507 A 20020123
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
CN 1434377	A			G06F-009/06	

Abstract (Basic): CN 1434377 A
      NOVELTY - The invention is a shortcut key method of programmable
  keyboard, includnig the following steps: first, judge if the indicator
  light of keyboard mode is turned on; second, if yes, execute any one of
  plural shortcut keys on the **keyboard** ; third, if no, execute the
  preset standard **key - press value** of the **keyboard** ; and the
  keyboard has 3 indicator lights, and according to if the indicator
  light of **keyboard** mode is turned on, switch the keyboard to the
  standard or shortcut keyboard.
      DwgNo 0/0
Title Terms: QUICK; KEY; METHOD; PROGRAM; KEYBOARD
Derwent Class: T01; T04
International Patent Class (Main): **G06F-009/06**
File Segment: EPI

015301001   **Image available**
WPI Acc No: 2003-361935/200334
XRPX Acc No: N03-288994
   **Key-pad decoder in financial transaction system, has controller which
   determines whether single key or multiple keys are activated in same
   time, by comparing key press values with predetermined values**
Patent Assignee: CHARLIER F (CHAR-I); ZENTNER J (ZENT-I)
Inventor: CHARLIER F; ZENTNER J
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20030005325	A1	20030102	US 2001895703	A	20010629	200334	B

Priority Applications (No Type Date): US 2001895703 A 20010629
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20030005325	A1		7	G06F-011/30	

Abstract (Basic): US 20030005325 A1
      NOVELTY - The key-pad has several keys, each assigned with a key
   press value. A **key** - **pad** controller adds the key **press** value of
   the activated keys to a counter, and compares the added **key   press
   values** to a **predetermined   value** . The controller determines whether
   single **key** or multiple keys are activated at the same time, based on
   the comparison result.
      DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for
   activated key determination method.
      USE - In financial transaction system.
      ADVANTAGE - Since it is capable of determining whether a single key
   or multiple keys are activated at the same time, access of secret
   information by unauthorized person is prevented.
      DESCRIPTION OF DRAWING(S) - The figure shows a flowchart of
   activated key determination process.
      pp; 7 DwgNo 2/4
Title Terms: KEY; PAD; DECODE; FINANCIAL; TRANSACTION; SYSTEM; CONTROL;
   DETERMINE; SINGLE; KEY; MULTIPLE; KEY; ACTIVATE; TIME; COMPARE; KEY;
   PRESS; VALUE; PREDETERMINED; VALUE
Derwent Class: T01; T04; U21; W01
International Patent Class (Main): **G06F-011/30**
File Segment: EPI

015004520   **Image available**
WPI Acc No: 2003-065037/200306
XRPX Acc No: N03-050797
  **Character input device for mobile telephone, displays character extracted
  from matrix table, as input character when predetermined number of keys
  are selected with respect** to extracted character
Patent Assignee: NEC CORP (NIDE)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2002342012	A	20021129	JP 2001143027	A	20010514	200306	B

Priority Applications (No Type Date): JP 2001143027 A 20010514
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2002342012	A		7	G06F-003/023	

Abstract (Basic): JP 2002342012 A
      NOVELTY - A matrix table switching unit (105) selects predetermined
  character of a line corresponding to any one of the **key - pads
  pressed** down by operating unit (101), from the matrix table. A display
  unit (108) displays the selected character as input **character** when
  predetermined   number of **keys** are selected with respect to the
  character extracted from matrix table.
      USE - Used for mobile telephone.
      ADVANTAGE - Improves operativity by reducing key pressing down
  frequency for character input, sharply.
      DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of
  the character input device. (Drawing includes non-English language
  text).
      Operating unit (101)
      Matrix table switching unit (105)
      Display unit (108)
      pp; 7 DwgNo 1/10
Title Terms: CHARACTER; INPUT; DEVICE; MOBILE; TELEPHONE; DISPLAY;
  CHARACTER; EXTRACT; MATRIX; TABLE; INPUT; CHARACTER; PREDETERMINED;
  NUMBER; KEY; SELECT; RESPECT; EXTRACT; CHARACTER
Derwent Class: T01; T04; W01
International Patent Class (Main): **G06F-003/023**
International Patent Class (Additional): **G06F-017/22** ; H04M-001/00
File Segment: EPI

14/5/7   (Item 7 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014792518   **Image available**
WPI Acc No: 2002-613224/200266
XRPX Acc No: N02-485740
   **Key-pad character input method for mobile telephones, involves displaying
   character corresponding to combination of pair of keys pressed
   successively by referring to key table**
Patent Assignee: KATO K (KATO-I); NAKAHARA H (NAKA-I); PANASU DATA BASE KK
   (PANA-N)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2002215306	A	20020802	JP 200114077	A	20010123	200266	B

Priority Applications (No Type Date): JP 200114077 A 20010123
Patent Details:

Patent No	Kind Lan Pg	Main IPC	Filing Notes
JP 2002215306	A 20	G06F-003/023	

Abstract (Basic): JP 2002215306 A
      NOVELTY - Different **characters** are **assigned** for each **key** in a
   key - **pad** . When a pair of keys are **pressed** successively, a
   character corresponding to the combination of the keys is determined
   from the intersection of the corresponding key symbols arranged in a
   key table and then displayed.
      USE - For input of characters through key-pads of telephones,
   mobile telephones, personal computers, digital television, car, game
   machine.
      ADVANTAGE - Large number of characters can be displayed by a
   key-pad with few keys, by the use of the key table.
      DESCRIPTION OF DRAWING(S) - The figure shows a conceptual diagram
   of the key-pad. (Drawing includes non-English language text).
      pp; 20 DwgNo 1/18
Title Terms: KEY; PAD; CHARACTER; INPUT; METHOD; MOBILE; TELEPHONE; DISPLAY
   ; CHARACTER; CORRESPOND; COMBINATION; PAIR; KEY; PRESS; SUCCESSION; REFER
   ; KEY; TABLE
Derwent Class: T01; T04; U21
International Patent Class (Main): **G06F-003/023**
International Patent Class (Additional): **G06F-003/03** ; **G06F-003/033** ;
   H03M-011/08
File Segment: EPI

14/5/8   (Item 8 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005   Thomson Derwent. All rts. reserv.

014629768   **Image available**
WPI Acc No: 2002-450472/200248
XRPX Acc No: N02-355384
  **Computer e.g. desktop and notebook type personal computers has keyboard
  assigned with figures for corresponding keys to perform specific
  operation**
Patent Assignee: SAIGAWA M (SAIG-I)
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
JP 2002132416 A   20020510 JP 2000324004   A   20001024 200248 B

Priority Applications (No Type Date): JP 2000324004 A 20001024
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
JP 2002132416 A   6 G06F-003/02

Abstract (Basic): JP 2002132416 A
      NOVELTY - Several **figures** (13) are **assigned** to each **key** of a
  keyboard (1). The figures are displayed by a numerical designation
  unit, when prescribed key (3) is **pressed** , based on which computer
  software performs prescribed operation.
      DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for
  of-instruction system of computer.
      USE - E.g. desktop personal computer, notebook type personal
  computer.
      ADVANTAGE - Facilitates easy operation of computer even for old
  people, handicapped people. Operation of the computer can be learned
  easily without knowledge person.
      DESCRIPTION OF DRAWING(S) - The figure shows the top view of the
  keyboard.
      Keyboard (1)
      Key (3)
      Figures (13)
      pp; 6 DwgNo 1/6
Title Terms: COMPUTER; TYPE; PERSON; COMPUTER; KEYBOARD; ASSIGN; FIGURE;
  CORRESPOND; KEY; PERFORMANCE; SPECIFIC; OPERATE
Derwent Class: T01
International Patent Class (Main): **G06F-003/02**
International Patent Class (Additional): **G06F-001/00**
File Segment: EPI

14/5/9 (Item 9 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014391422 **Image available**
WPI Acc No: 2002-212125/200227
XRPX Acc No: N02-162089
   Terminal equipment using kana character input system has input unit which
   selects kana character from input character candidates that pertains to
   kana character shown on display unit
Patent Assignee: KYOCERA CORP (KYOC)
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
JP 2002041224 A   20020208 JP 2000225851   A   20000726 200227   B

Priority Applications (No Type Date): JP 2000225851 A 20000726
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
JP 2002041224 A   5 G06F-003/023

Abstract (Basic): JP 2002041224 A
    NOVELTY - The character elemental piece of a kana character stored
   in a kana **character** database is **assigned** to each **key** in a **key -**
   pad . The key **pushed** by kana character input operation is compared
   with the patterns on the database. A display unit shows the kana
   character corresponding to the equivalent pattern as an input character
   candidate. An input unit selects the kana character from the input
   character candidates.
    DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a
   kana character input system.
    USE - Terminal equipment using kana character input system.
    ADVANTAGE - Simplifies input of character by less number of key
   operation.
    DESCRIPTION OF DRAWING(S) - The figure shows the top view of the
   key-pad of a mobile communication terminal. (Drawing includes
   non-English language text)
    pp; 5 DwgNo 2/5
Title Terms: TERMINAL; EQUIPMENT; CHARACTER; INPUT; SYSTEM; INPUT; UNIT;
  SELECT; CHARACTER; INPUT; CHARACTER; CANDIDATE; CHARACTER; DISPLAY; UNIT
Derwent Class: T01; U21; W01
International Patent Class (Main): **G06F-003/023**
International Patent Class (Additional): **G06F-017/22** ; H03M-011/04;
  H03M-011/08; H04M-001/247
File Segment: EPI

14/5/10   (Item 10 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2005 Thomson Derwent. All rts. reserv.

013845365
WPI Acc No: 2001-329578/200135
XRPX Acc No: N01-237215
  Method of mobile telephone virtual keyboard
Patent Assignee: YINGYEDA GROUP ELECTRONIC TECHNOLOGY CO (YING-N)
Inventor: HE Q; ZHANG Z
Number of Countries: 001 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
CN 1268833	A	20001004	CN 99104186	A	19990324	200135	B
CN 1117306	C	20030806	CN 99104186	A	19990324	200549	

Priority Applications (No Type Date): CN 99104186 A 19990324
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
CN 1268833	A			H04M-001/00	
CN 1117306	C			G06F-003/00	

Abstract (Basic): CN 1268833 A
     NOVELTY - The invention is a method to improve data key entry that
   standard keys CCITT is combined with multiple function keys to form
   actual **keyboard** and key value list to produce virtual **keyboard** . It
   includes at least following steps, to show corresponding virtual **key**
   according to **preset** **keyboard** state **value** ; to judge if any actual
   key is **pushed** , to get the key value by inquirying key value list;
   the to get virtual value by inquirying **key** **value** list as **preset**
   keyboard state **value** and **key** value; if the virtual key value is
   virtual **keyboard** switching key, to change **keyboard** state value
   according to the key value of virtual keyboard switching key, to
   display corresponding virtual keyboard by calling keyboard display
   modular group and clear the key value, otherwise to display the virtual
   key value.
     DwgNo 0/0
Title Terms: METHOD; MOBILE; TELEPHONE; VIRTUAL; KEYBOARD
Derwent Class: W01
International Patent Class (Main): **G06F-003/00** ; H04M-001/00
File Segment: EPI

14/5/11   (Item 11 from file: 350)
DIALOG(R)File 350:Derwent WPIX

013223469   **Image available**
WPI Acc No: 2000-395343/200034
XRPX Acc No: N00-297097
  Character input device e.g. keyboard **for electronic navigation chart
  display, has table to store** characters   assigned **to** keys **on priority
  level, and when key is** pressed **, higher priority character is displayed**
Patent Assignee: JAPAN RADIO CO LTD (NIUR)
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
JP 2000137566 A   20000516 JP 98313320   A   19981104 200034 B

Priority Applications (No Type Date): JP 98313320 A 19981104
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
JP 2000137566 A   4 G06F-003/02

Abstract (Basic): JP 2000137566 A
     NOVELTY - Search table (2) stores different characters which are
assigned to the key pad, according to specific priority level. A
character table having higher priority is chosen from the table by a
controller (3) and is displayed on an indicator (4) whereas a CHAR key
is pressed. If the displayed character is not the objective character
to be input next higher priority character is displayed and checked.
     USE - Character input device e.g. keyboard for electronic CHAR
display in navigation apparatus for use in watercraft.
     ADVANTAGE - Since characters which are assigned to key pad are
stored in specific priorities in search table are stored in search
table in priority level. The pressing frequency of number of keys is
reduced.
     DESCRIPTION OF DRAWING(S) - The figure shows the components of
character input device.
     Search table (2)
     Controller (3)
     Indicator (4)
     pp; 4 DwgNo 1/2
Title Terms: CHARACTER; INPUT; DEVICE; KEYBOARD; ELECTRONIC; NAVIGATION;
  CHART; DISPLAY; TABLE; STORAGE; CHARACTER; ASSIGN; KEY; PRIORITY; LEVEL;
  KEY; PRESS; HIGH; PRIORITY; CHARACTER; DISPLAY
Derwent Class: T01; T04
International Patent Class (Main): **G06F-003/02**
International Patent Class (Additional): **G06F-003/00**
File Segment: EPI

DIALOG(R)File 350:Derwent WPIX
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012993274   **Image available**
WPI Acc No: 2000-165126/200015
XRPX Acc No: N00-123624
   **Input key switch configuration for desk computer, PC, word processor -
   has press contacts that individually operate switches distributed at back
   side of each key pad of keyboard, sequentially for input of numeric
   character and for adding of input numerical character**
Patent Assignee: SENBA K (SENB-I)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2000020220	A	20000121	JP 98182374	A	1998062	200015	B

Priority Applications (No Type Date): JP 98182374 A 19980629
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2000020220	A		7	G06F-003/02	

Abstract (Basic): JP 2000020220 A
     NOVELTY - Switches (24,25) are distributed at the back side of each
   key   pad of a **keyboard** . When a **press** contact is operated, the
   switch (24) inputs an input numerical **value   specified** by that input
   key . When another **press** contact is operated, the switch (25) adds
   the input numerical value of input key.
     USE - For desk computer, PC, word processor.
     ADVANTAGE - Enables continuous data entry and continuous command
   processing of user quickly, since unnecessary pushing of input key is
   prevented. Decreases failure of input key by which it is effective in
   blind operation. DESCRIPTION OF DRAWING(S) - The figure shows
   connection condition of switch of desk computer. (24,25) Switches.
     Dwg.1/5
     JP 2000020220 A
     NOVELTY - Switches (24,25) are distributed at the back side of each
   key   pad of a **keyboard** . When a **press** contact is operated, the
   switch (24) inputs an input numerical **value   specified** by that input
   key . When another **press** contact is operated, the switch (25) adds
   the input numerical value of input key.
     USE - For desk computer, PC, word processor.
     ADVANTAGE - Enables continuous data entry and continuous command
   processing of user quickly, since unnecessary pushing of input key is
   prevented. Decreases failure of input key by which it is effective in
   blind operation. DESCRIPTION OF DRAWING(S) - The figure shows
   connection condition of switch of desk computer. (24,25) Switches.
     Dwg.1/5
Title Terms: INPUT; KEY; SWITCH; CONFIGURATION; DESK; COMPUTER; WORD;
  PROCESSOR; PRESS; CONTACT; INDIVIDUAL; OPERATE; SWITCH; DISTRIBUTE; BACK;
  SIDE; KEY; PAD; KEYBOARD; SEQUENCE; INPUT; NUMERIC; CHARACTER; ADD; INPUT
  ; NUMERIC; CHARACTER
Derwent Class: T01; V03
International Patent Class (Main): **G06F-003/02**
International Patent Class (Additional): H01H-013/14
File Segment: EPI

14/5/14   (Item 14 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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012255153
WPI Acc No: 1999-061259/199906
XRPX Acc No: N99-045384
  Character coding method and the keyboard therefor - dividing all Chinese
  characters into 6 types by their shape structures and their encoding
  using given rules while code length is four codes
Patent Assignee: CHEN M (CHEN-I)
Inventor: CHEN M; GAO S
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
CN 1193763	A	19980923	CN 96101643	A	19960127	199906	B

Priority Applications (No Type Date): CN 96101643 A 19960127
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
CN 1193763	A		1	G06F-003/023	

Abstract (Basic): CN 1193763 A
      A Chinese-character encode method and its keyboard feature that all
    the Chinese characters are divided into 6 types by their shape
    structures and then encoded based on defined rules. The code length is
    4 codes. If encoded Chinese character is less than 4 codes, an ID code
    is added, or space bar is further **pressed** . For its **keyboard** , the
    cells of Chinese **characters** are **assigned** to correspondent **letter**
    keys by the association between sound and shape. Its advantages are
    simple rules, less cells for **keyboard** , easy to master it, high typing
    speed and no duplication.
Title Terms: CHARACTER; CODE; METHOD; KEYBOARD; DIVIDE; CHINESE; CHARACTER;
  TYPE; SHAPE; STRUCTURE; ENCODE; RULE; CODE; LENGTH; FOUR; CODE
Derwent Class: T01; T04; U21
International Patent Class (Main): **G06F-003/023**
File Segment: EPI

012110697   **Image available**
WPI Acc No: 1998-527609/199845
XRPX Acc No: N98-412642
   **Character input method using small key pad for small sized electronic
   apparatus - involves storing assembly of symbols related to each key
   which is pressed for predefined number of times for input operation**
Patent Assignee: NOKIA MOBILE PHONES LTD (OYNO)
Inventor: LAAKKONEN K
Number of Countries: 005 Number of Patents: 008
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 10233831	A	19980902	JP 9817048	A	19980129	199845	B
FI 9700468	A	19980805	FI 97468	A	19970204	199845	
KR 98071024	A	19981026	KR 982947	A	19980203	199953	
US 6043760	A	20000328	US 9817391	A	19980202	200023	
FI 105601	B1	20000915	FI 97468	A	19970204	200054	
CN 1192003	A	19980902	CN 98104096	A	19980204	200276	
KR 380343	B	20030710	KR 982947	A	19980203	200409	
CN 1117308	C	20030806	CN 98104096	A	19980204	200549	

Priority Applications (No Type Date): FI 97468 A 19970204
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 10233831	A		6	H04M-001/27	
FI 9700468	A			G06F-003/023	
KR 98071024	A			G06F-003/02	
US 6043760	A			H03M-011/00	
FI 105601	B1			G06F-003/023	Previous Publ. patent FI 9700468
CN 1192003	A			G06F-003/00	
KR 380343	B			G06F-003/02	Previous Publ. patent KR 98071024
CN 1117308	C			G06F-003/02	

Abstract (Basic): JP 10233831 A
     The method involves using a **key pad** (100) in which several
   characters or **symbols** (101) are **assigned** to each **push** button **key**
   . The symbols relevant to each key is chosen based upon the operating
   language.
     The assembly of symbols related to each key is stored in a memory
   (302). By pressing the key `n' times in succession, the symbol in the
   stored order is input.
     USE - For portable telephone, pager.
     ADVANTAGE - Offers small sized keypad with limited number of keys.
     Dwg.1/3
Title Terms: CHARACTER; INPUT; METHOD; KEY; PAD; SIZE; ELECTRONIC;
   APPARATUS; STORAGE; ASSEMBLE; SYMBOL; RELATED; KEY; PRESS; PREDEFINED;
   NUMBER; TIME; INPUT; OPERATE
Derwent Class: W01
International Patent Class (Main): **G06F-003/00** ; **G06F-003/02** ;
   G06F-003/023 ; H03M-011/00; H04M-001/27
International Patent Class (Additional): H04M-001/00
File Segment: EPI

012094326   **Image available**
WPI Acc No: 1998-511237/199844
XRPX Acc No: N98-398950
   **Personal computer with auxiliary equipment for keyboard input - stops
   transmitting specific character string data stored in memory to main
   body, on distinguished that key pushed on keyboard is not specific key
   stored in memory**
Patent Assignee: NIPPON GIJUTSU KK (NIGI-N)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 10222278	A	19980821	JP 9734358	A	19970203	199844	B

Priority Applications (No Type Date): JP 9734358 A 19970203
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 10222278	A		7	G06F-003/023	

Abstract (Basic): JP 10222278 A
       The computer has a auxiliary equipment for keyboard input (1)
   connected between its main body (2) and a keyboard (3). The data file
   which specifies one-to-one correspondence between specific keys and
   specific character strings, is transmitted from the main body to the
   auxiliary equipment. Then, a **specific   character** string data is **set**
   up for a specific **key** of the **keyboard** and stored in a memory of
   the auxiliary equipment. When a key of the **keyboard** is **pushed** , a
   key discriminator distinguishes whether the **pushed** key is the
   specific key stored in the memory.
       On distinguishing that the pushed key is the specific key stored in
   the memory, then the specific character string data corresponding to
   the specific key is transmitted from the memory to the main body. On
   distinguishing that the pushed key is not the specific key stored in
   the memory, then the character string data is not transmitted to the
   main body.
       ADVANTAGE - Enables keyboard to be used as function keyboard.
   Improves key input work efficiency. Secures compact space.
       Dwg.2/5
Title Terms: PERSON; COMPUTER; AUXILIARY; EQUIPMENT; KEYBOARD; INPUT; STOP;
   TRANSMIT; SPECIFIC; CHARACTER; STRING; DATA; STORAGE; MEMORY; MAIN; BODY;
   DISTINGUISH; KEY; PUSH; KEYBOARD; SPECIFIC; KEY; STORAGE; MEMORY
Derwent Class: T01; T04; U21
International Patent Class (Main): **G06F-003/023**
International Patent Class (Additional): H03M-011/04; H03M-011/14
File Segment: EPI

14/5/18   (Item 18 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2005 JPO & JAPIO. All rts. reserv.

07195249   **Image available**
ELECTRONIC RESISTER

PUB. NO.:   2002-063654   [JP 2002063654 A]
PUBLISHED: February 28, 2002 (20020228)
INVENTOR(s): ISHIKAWA KENICHI
APPLICANT(s): MATSUSHITA ELECTRIC IND CO LTD
APPL. NO.:   2000-252847 [JP 2000252847]
FILED: August 23, 2000 (20000823)
INTL CLASS: G07G-001/12; **G06F-003/02**

                              ABSTRACT

PROBLEM TO BE SOLVED: To enable to acquire an operator number, an
acquisition of a manager number, a start/end of repetition and an
acquisition of magnetic card data by pressing a macro key on an electronic
register.

SOLUTION: An operator **number** acquisition code is **set** into macro **key**
 information corresponding to the macro key on a **keyboard** . When the macro
key is **pressed** and the operator number acquisition code exists in the
macro key information, the number of an operator in charge is acquired and
the operator number is transferred to a key code decoder. When a manager
number acquisition code is set, the manager number is transferred. When a
repetition start/end code is set, designated setting data are repeatedly
transferred for designated times. When a magnetic card data acquisition
code is set, the magnetic card data are transferred as key entry data.

00697125   **Image available**
CHARACTER STRING INPUT KEYBOARD

ABSTRACT

PURPOSE: To improve input manipulation by providing a keyboard circuit and
a dedicated memory circuit for a character string used frequently.

CONSTITUTION: To store a character string, write start key 12 is depressed
to indicate a character string input and then character string input keys
S1... on **keyboard**   11 are depressed to fix **keys** for the **specific**
 character string. Next, a character string to be input by use of ordinary
 keyboard 10 is input and then end key 13 is **pushed** , thereby completing
write operation. To read it, keys S1... are depressed. A control circuit
discriminates between the input from ordinary keyboard 10 and that from
character string input keyboard 11 and, when judging a signal from the
character string input keys, selects and outputs the corresponding
character string from a character string memory unit.

00603416   **Image available**
CHINESE CHARACTER INPUT DEVICE

ABSTRACT
PURPOSE: To secure the accurate input of the Chinese characters in an
extremely high efficiency through a quick operation by securing selection
of the Chinese characters by just sequential push of three or four units of
the kana letter (Japanes syllabary) keys and at the same time facilitating
the easy memorization of the phrase defining the Chinese characters.

CONSTITUTION: The **keyboard** of input device 1 contains the array of 49
units of **keys** to **designate** the 49 kana **letters** . Then kana letter
keys are **pushed** selectively according to the phrases by defining the
character to be supplied with the 2-letter phrase the head of which comes
the Chinese character. And thus the prescribed code signal is delivered
from device 1 to be sent to code converter 2 for conversion into the code
signal showing the Chinses character corresponding to the phrase. Based on
this code signal, the Chineses character signal is obtained from character
generator 3 to be then delivered 4. In this way, the Chinese characters can
be supplied accurately in an extremely high efficiency.

```
Set     Items    Description
S1      200874   KEY? ?
S2      1710221  VALUE? ? OR NUMBER? ? OR DIGIT? ? OR NUMERAL? ? OR FIGURE?
                 ? OR LETTER? ? OR CHARACTER? ? OR SYMBOL? ?
S3      415054   (PREDETERMIN? OR ASSIGN? ? OR ASSIGNED OR ASSIGNING OR SET?
                 ? OR SETTING OR PRESET OR PRESETTING OR DESIGNATE? ? OR DESI-
                 GNATING OR PRESCRIBE? ? OR PRESCRIBING OR SPECIFIC OR SPECIFI-
                 ED OR SPECIFYING)(3N)S2
S4      5249     S3 (5N) S1
S5      199936   KEYBOARD? ? OR KEYPAD? ? OR KEY()PAD? ? OR DIAL?  ? OR PAD?
                 ?
S6      868      S4 (30N) S5
S7      334      S6 AND IC=G06F
S8      1        S6 AND IC=G06F-011
S9      252      S7 AND AY=1978:2001
S10     21852    S1 (10N) S5
S11     699      S10 (5N) S3
S12     523      S10 (3N) S3
S13     195      S12 AND IC=G06F
S14     1        S12 AND IC=G06F-011
S15     154      S13 AND AY=1978:2001
S16     556277   PRESS?? OR PUSH?? OR PUNCH??
S17     347      S4 (10N) S16
S18     114      S17 AND IC=G06F
S19     45       S17 (10N) S5
S20     20       S19 AND IC=G06F
S21     20       IDPAT (sorted in duplicate/non-duplicate order)
S22     20       IDPAT (primary/non-duplicate records only)
S23     120468   BUTTON? ? OR PUSHBUTTON? ? OR PRESSBUTTON? ? OR KNOB? ? OR
                 CONTROLKNOB? ? OR PUSHKNOB? ? OR PRESSKNOB? ?
S24     1910     S3 (5N) S23
S25     21       S24 (10N) S16 (10N) S5
S26     3        S25 AND IC=G06F
S27     2        S26 NOT S22
File 348:EUROPEAN PATENTS 1978-2005/Dec W02
        (c) 2005 European Patent Office
File 349:PCT FULLTEXT 1979-2005/UB=20051215,UT=20051208
        (c) 2005 WIPO/Univentio
```

8/5,K/1   (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

00313593
Method of and apparatus for establishing a servicing mode of an electronic apparatus.
Verfahren und Gerat zum Aufbauen eines Kundendienstmodus eines elektronischen Gerates.
Procede et dispositif d'etablissement d'un mode de service d'un appareil electronique.
PATENT ASSIGNEE:
  SONY CORPORATION, (214021), 7-35 Kitashinagawa 6-chome Shinagawa-ku,
    Tokyo 141, (JP), (applicant designated states: DE;FR;GB;NL)
INVENTOR:
  Suzuki, Masakazu, Pat.Div. Sony Corporation 6-7-35 Kitashinagawa,
    Shinagawa-ku,   Tokyo 141, (JP)
  Suematsu, Masayuki, Pat.Div. Sony Corporation 6-7-35 Kitashinagawa,
    Shinagawa-ku,   Tokyo 141, (JP)
  Komiya, Yoshinori, Pat.Div. Sony Corporation 6-7-35 Kitashinagawa,
    Shinagawa-ku,   Tokyo 141, (JP)
LEGAL REPRESENTATIVE:
  Thomas, Christopher Hugo et al (36661), D Young & Co 10 Staple Inn,
    London WC1V 7RD, (GB)
PATENT (CC, No, Kind, Date): EP 298625 A2 890111 (Basic)
                              EP 298625 A3 900711
                              EP 298625 B1 930804
APPLICATION (CC, No, Date):   EP 88305617 880621;
PRIORITY (CC, No, Date): JP 87170307 870708
DESIGNATED STATES: DE; FR; GB; NL
INTERNATIONAL PATENT CLASS: G01R-031/28; **G06F-011/22** ; H04N-017/00
CITED PATENTS (EP A): EP 167664 A; US 4369442 A; US 4634846 A; EP 136060 A

ABSTRACT EP 298625 A2
    In controlling an electronic apparatus, such as a colour television
receiver, of the type having signal processing circuits (2 to 4, 6, 7)
which are individually adjustable in accordance with control signals from
a central processing unit (CPU) (9) in response to data corresponding to
predetermined standardized conditions of the circuits (2 to 4, 6, 7) and
which are stored in a non-volatile memory (11) along with a secret code,
operating keys (12, 22) selectively actuable to provide input data the
CPU (9) for representing an externally applied code and, in a servicing
mode of the receiver, for rewriting the data in the memory (11) and an
inner bus (13) connecting the CPU (9) to the adjustable circuits (2 to 4,
6, 7), the memory (11) and the operating keys (12, 22); a standby power
supply (15) provides electric power to the CPU (9) at a time when
operating keys (22) are actuated for inputting data representing an
externally applied code to the CPU (9), a main power supply (17) is
turned on for supplying power to the adjustable circuits (2 to 4, 6, 7)
and thereby cause the receiver to display an image, and the servicing
mode of the receiver is established only when the externally applied code
coincides with the stored secret code and the turning on of the main
power supply (17) is effected within a predetermined period after the
externally applied code has been made to be coincident with the store
secret code.
ABSTRACT WORD COUNT: 251

LEGAL STATUS (Type, Pub Date, Kind, Text):
  Application: 890111 A2 Published application (A1with Search Report
                              ;A2without Search Report)
  Search Report: 900711 A3 Separate publication of the European or
                              International search report
  Examination: 910109 A2 Date of filing of request for examination:
                              901112

```
Examination:        921209 A2 Date of despatch of first examination report:
                            921027
Grant:              930804 B1 Granted patent
Oppn None:          940727 B1 No opposition filed
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text  Language    Update      Word Count
     CLAIMS B   (English)   EPBBF1         924
     CLAIMS B   (German)    EPBBF1         818
     CLAIMS B   (French)    EPBBF1         969
     SPEC B     (English)   EPBBF1        3509
Total word count - document A                0
Total word count - document B             6220
Total word count - documents A + B        6220
```

...INTERNATIONAL PATENT CLASS: **G06F-011/22**

...SPECIFICATION hue and balance of the displayed image are automatically
  set to respective intermediate or standardized **values** which **are**
  predetermined and **stored** in the memory 11, thereby to adjust
  simultaneously the several characteristics to a standardized condition...
?

22/5,K/1   (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2005 European Patent Office. All rts. reserv.

01522468
TOUCH-TYPE KEY INPUT APPARATUS
TOUCHTYPE-TASTENEINGABEVORRICHTUNG
ORGANE DE SAISIE A TOUCHES TACTILES
PATENT ASSIGNEE:
  MISAWA HOMES CO. LTD, (1369661), 4-5 Takaido Higashi 2-chome, Suginami-ku
    , Tokyo 168-0072, (JP), (Applicant designated States: all)
  Kato, Syunji, (2077261), 34-6, Mejirodai 3-chome, Hachioji-shi, Tokyo
    193-0833, (JP), (Applicant designated States: all)
INVENTOR:
  KATO, Syunji, 34-6, Mejirodai 3-chome, Hachiohji-shi, Tokyo 193-0833,
    (JP)
LEGAL REPRESENTATIVE:
  Goddar, Heinz J., Dr. (4231), FORRESTER & BOEHMERT Pettenkoferstrasse
    20-22, 80336 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 1383034 A1   040121 (Basic)
                              WO 2002088920   021107
APPLICATION (CC, No, Date):   EP 2002722823 020426; WO 2002JP4214 020426
PRIORITY (CC, No, Date): JP 2001131899 010427
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
  LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: **G06F-003/023** ; **G06F-003/03** ; **G06F-003/033**

ABSTRACT EP 1383034 A1
    A touch press key inputting device includes: a plurality of character
    keys 21(equivalent to)32 with at least 2 characters displayed on the
    surface of each key; an input judging means 72 for sensing the character
    keys touched and the first touched points in the area of the character
    keys, performing a movement longer than a specified length originally
    touched, and judging a moving direction in touch press inputting; a
    character selecting and outputting means 73 for selecting and outputting
    the characters displayed in the moving direction, corresponding to the
    moving direction judged by the input judging means, relative to the
    reference positions of the character keys. Since the characters on the
    positions are selected and output corresponding to the touch press
    inputting operations of the characters displayed on the key surfaces of
    respective character keys 21(equivalent to)32, the inputting operations
    can be directly sensed and easily assured, and the inputting operability
    is improved.
ABSTRACT WORD COUNT: 154
NOTE:
  Figure number on first page: 6

LEGAL STATUS (Type, Pub Date, Kind, Text):
  Application: 030102 A1 International application. (Art. 158(1))
  Application: 030102 A1 International application entering European
                             phase
  Application: 040121 A1 Published application with search report
  Examination: 040121 A1 Date of request for examination: 20031029
LANGUAGE (Publication,Procedural,Application): English; English; Japanese
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
      CLAIMS A (English)   200404   1919
      SPEC A   (English)   200404   29918
Total word count - document A   31837
Total word count - document B   0
Total word count - documents A + B   31837

INTERNATIONAL PATENT CLASS: **G06F-003/023** ...

...SPECIFICATION are exceedingly time-consuming.

In addition, the virtual keyboard for the (box - upper left)soft **keyboard** input(box - lower right) commonly is **set** with one **character** for each **press** **key** respectively, so the **press** keys are very fine, crowded, and difficult to touch. For example: there are 26 letters...the operation is simple, the characters can be input conveniently and quickly.

3. Every character **key** 21-32 can **set** 7 **characters** at most, and the number of the **press** keys is reduced comparing with (box - upper left)soft **keyboard** input(box - lower right) in which one key corresponds to one character, so that the...

...keyboard 15 has same character key and function key in number and shape as the **keyboard** piece 5.

Illustrations are made to the same **characters** **set** on **press** **key** on the positions corresponding to the positions of the pres keys 21-32 and 51...keys is easy to remember, and they can be used immediately.

Because only 15 character **keys** 121-135 are **set** , and the **number** of the **press** **keys** is much less than that of the general **keyboard** , thereby they can be set into a small portable machine.

(Embodiment 7)
The seventh embodiment...

00288699
Method for character code generation.
Verfahren zum Erzeugen eines Zeichenkodes.
Methode pour la generation d'un code a caractere.
PATENT ASSIGNEE:
   International Business Machines Corporation, (200120), Old Orchard Road,
     Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB;SE)
INVENTOR:
   Prame, Eric Sune, Hagtornstunet 7, S-181 48 Lidingo, (SE)
LEGAL REPRESENTATIVE:
   Johansson, Lars E. et al (23225), IBM Svenska AB Intellectual Property
     Department 4-01, S-163 92 Stockholm, (SE)
PATENT (CC, No, Kind, Date): EP 286906 A1 881019 (Basic)
                            EP 286906 B1 911127
APPLICATION (CC, No, Date): EP 88105084 880329;
PRIORITY (CC, No, Date): SE 871445 870407
DESIGNATED STATES: DE; FR; GB; SE
INTERNATIONAL PATENT CLASS: H03M-011/00; **G06F-003/023**
CITED PATENTS (EP A): US 3967273 A; GB 2134293 A; US 4443789 A; GB 2064187
   A; EP 11307 A

ABSTRACT EP 286906 A1
   In a keyboard operation two sequential keystrokes are used for
   generation of a character code. A rule is set up according to which some
   preset combinations of two sequential keystrokes are valid and other are
   not. The rule is implemented by storing the validity conditions into a
   table in a control unit. According to a preferred rule the second key to
   be operated must be located on a column to the right of the column where
   the first key is located, otherwise an error signal will be generated.
   The method is preferably used for a one hand keyboard with three times
   four keys.
ABSTRACT WORD COUNT: 107

LEGAL STATUS (Type, Pub Date, Kind, Text):
  Application: 881019 A1 Published application (A1with Search Report
                           ;A2without Search Report)
  Examination: 890419 A1 Date of filing of request for examination:
                           890222
  Change: 900321 A1 Representative (change)
  Examination: 901031 A1 Date of despatch of first examination report:
                           900912
  Grant: 911127 B1 Granted patent
  Lapse: 920610 B1 Date of lapse of the European patent in a
                           Contracting State: SE 911127
  Oppn None: 921119 B1 No opposition filed
  Lapse: 970423 B1 Date of lapse of the European patent in a
                           Contracting State: DE 961203, SE 911127
  Lapse: 970423 B1 Date of lapse of the European patent in a
                           Contracting State: DE 961203, GB 960329, SE
                           911127
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	188
CLAIMS B	(German)	EPBBF1	173
CLAIMS B	(French)	EPBBF1	208
SPEC B	(English)	EPBBF1	1426
Total word count - document A			0
Total word count - document B			1995
Total word count - documents A + B			1995

...INTERNATIONAL PATENT CLASS: **G06F-003**/023

...SPECIFICATION columns and rows to generate a character code by striking a first and a second **key** in a **predetermined** sequence. Each **character** is represented by a unique sequence **of** two **pushes** of the pushbutton **keyboard** , the second button being pushed being situated, according to a general rule, in a column...

01245306   **Image available**
ELECTRONIC DEVICE AND USER INTERFACE AND INPUT METHOD THEREFOR
**DISPOSITIF   ELECTRONIQUE,   INTERFACE   UTILISATEUR,   ET   PROCEDE   D'ENTREE
    CORRESPONDANT**
Patent Applicant/Assignee:
  MOTOROLA INC, 1303 East Algonquin Road, Schaumburg, IL 60196, US, US
    (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
  SACHER Heiko K, 2225 Sharon Road, #223, Menlo Park, CA 94025, US, US
    (Residence), US (Nationality), (Designated only for: US)
  ROMERA Maria E, 4402 Madoc Way, San Jose, CA 95130, US, US (Residence),
    US (Nationality), (Designated only for: US)
  NAGEL Jens, 725 Burnett Avenue, #6, San Francisco, CA 94131, US, US
    (Residence), DE (Nationality), (Designated only for: US)
Legal Representative:
  DOUTRE Barbara R (et al) (agent), 8000 West Sunrise Boulevard, Room 1610,
    Plantation, FL 33322, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200552733 A2 20050609 (WO 0552733)
  Application: WO 2004US38065 20041116 (PCT/WO US04038065)
  Priority Application: US 2003719576 20031121
Designated States:
(All protection types applied unless otherwise stated - for applications
2004+)
  AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
  DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
  LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
  RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
  (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LU MC NL PL PT
  RO SE SI SK TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: **G06F**
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 7012

English Abstract
  A portable electronic device (100, 400) and user interface (425) are
  operated using a method including initiating entry of a content string;
  determining the most probable completion alternative or a content
  prediction using a personalized and learning database (430); displaying
  the most probable completion alternative or next content prediction;
  determining whether a user has accepted the most probable completion
  alternative or next content prediction; and adding the most probable
  completion alternative or next content prediction to the content string
  upon user acceptance.

French Abstract
  La presente invention concerne un appareil electronique portable (100,
  400) et une interface utilisateur (425) mis en oeuvre grace a un procede
  enchainant plusieurs operations. On commence par lancer l'entree d'une
  sequence de contenu. On utilise une base de donnees (430) personnalisee
  et d'apprentissage pour determiner une solution de substitution
  d'achevement la plus probable ou une prediction de contenu. On determine
  une solution de substitution d'achevement la plus probable ou une

prediction de contenu suivante. Enfin, des acceptation, on ajoute a la
sequence de contenu la solution de substitution d'achevement la plus
probable ou une prediction de contenu suivante.

Legal Status (Type, Date, Text)
Publication 20050609 A2 Without international search report and to be
                        republished upon receipt of that report.

Main International Patent Class: **G06F**
Fulltext Availability:
  Detailed Description

Detailed Description
... QWERTY keyboard or a numeric telephone keypad to input text. Many
   devices having numeric telephone **keypads** use multi-tap entry methods,
   in which multiple **letters** are **assigned** to a single **key** , and that
   key is **pressed** multiple times to select the desired letter, number, or
   other desired content. This can be...

01200198   **Image available**
LATTICE MATCHING
CORRESPONDANCE DE TREILLIS
Patent Applicant/Assignee:
  CANON KABUSHIKI KAISHA, 30-2 3-Chome Shimomaruko, Ohta-Ku, Tokyo, JP, JP
    (Residence), JP (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
  JOSIFOVSKI Ljubomir, 1B Cumberland Street, Staines, Middlesex TW18 3EF,
    GB, GB (Residence), MK (Nationality), (For all designated states
    except: US)
Legal Representative:
  BERESFORD Keith Denis Lewis (et al) (agent), Beresford & Co, 16 High
    Holborn, London WC1V 6BX, GB,
Patent and Priority Information (Country, Number, Date):
    Patent: WO 200508523 A2-A3 20050127 (WO 0508523)
    Application: WO 2004GB3084 20040716   (PCT/WO GB04003084)
    Priority Application: GB 200316669 20030716
Designated States:
(All protection types applied unless otherwise stated - for applications
2004+)
  AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
  DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
  LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
  RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
  (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO
  SE SI SK TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
  (AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: **G06F-017/30**
International Patent Class: G10L-015/08
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 12118

English Abstract
  A system is described for matching lattices such as phoneme lattices
  generated by an automatic speech recognition unit. The system can be used
  to retrieve files from a database by comparing a query lattice with
  annotation lattices associated with the data files that can be retrieved,
  and by retrieving the data files having an annotation lattice most
  similar to the query lattice.

French Abstract
  L'invention concerne un systeme concu pour mettre en correspondances des
  treillis tels que des treillis phonemiques produits par une unite de
  reconnaissance vocale automatique. Le systeme peut servir a extraire des
  fichiers d'une base de donnees par comparaison d'un treillis
  d'interrogation a des treillis d'annotation associes aux fichiers de
  donnees que l'on peut extraire, et par extraction des fichiers de donnees
  presentant un treillis d'annotation tres similaire au treillis
  d'interrogation.

Legal Status (Type, Date, Text)
Publication 20050127 A2 Without international search report and to be
                         republished upon receipt of that report.
Search Rpt   20050428 Late publication of international search report
Republication 20050428 A3 With international search report.

Detailed Description
... via a
  keyboard which assigns more than one character to each
  key (such as the **keyboard** of a mobile phone), where the
  user must repeatedly **press** each **key** to cycle through the
  characters   assigned to that **key** , In such an embodiment,
  the confusion probabilities would be adjusted so that
  characters assigned to...

00975237   **Image available**
TEXT ENTRY METHOD AND DEVICE THEREFOR
PROCEDE D'INTRODUCTION DE TEXTE ET DISPOSITIF CORRESPONDANT
Patent Applicant/Assignee:
   KONINKLIJKE PHILIPS ELECTRONICS N V, Groenewoudseweg 1, NL-5621 BA
      Eindhoven, NL, NL (Residence), NL (Nationality)
Inventor(s):
   BICKERTON Matthew J, Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,
Legal Representative:
   WHITE Andrew G (agent), Internationaal Octrooibureau B.V., Prof.
      Holstlaan 6, NL-5656 AA Eindhoven, NL,
Patent and Priority Information (Country, Number, Date):
   Patent: WO 200305179 A1 20030116 (WO 0305179)
   Application: WO 2002IB2647 20020624 (PCT/WO IB0202647)
   Priority Application: GB 200116083 20010630
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
   AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
   EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
   LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
   SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW
   (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
   (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
   (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
   (EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: **G06F-003/023**
International Patent Class: **G06F-003/033**
Publication Language: English
Filing Language: English
Fulltext Availability:
   Detailed Description
   Claims
Fulltext Word Count: 3559

English Abstract
   A method and device for improved character input are described, wherein
   the method employs a keypad 100 comprising keys 102 able to display
   secondary characters 106 in addition to primary characters 104. The
   keypad has a default display state. A first key selection causes the
   keypad 100 to display secondary characters 106 associated with the first
   key on other keys 102, whereupon a second key selection causes the
   displayed character to be input, following which the keypad reverts to
   displaying the default state. Further secondary characters 200 may also
   be displayed after a first key selection. The method is particularly
   useful for handheld devices such as mobile radio telephones or handheld
   computers adapted to implement the method of the invention

French Abstract
   L'invention concerne un procede et un dispositif destine a faciliter
   l'introduction de caracteres; ce procede utilise un clavier (100)
   comprenant des touches (102) capables d'afficher des caracteres
   secondaires (106) en plus des caracteres primaires (104). Le clavier a un
   etat d'affichage par defaut. Une premiere selection de touches fait en
   sorte que le clavier (100) affiche des caracteres secondaires (106)
   associes a la premiere touche sur les autres touches (102), et une
   deuxieme selection de touches entraine l'introduction du caractere
   affiche, apres que le clavier affiche de nouveau l'etat par defaut.
   D'autres caracteres secondaires (200) peuvent aussi etre affiches apres
   une premiere selection de touche. Le procede est particulierement utile

pour des dispositifs portatifs tels que les radiotelephones mobiles ou les ordinateurs de poche, concus pour mettre en oeuvre le procede de l'invention.

Legal Status (Type, Date, Text)
Publication 20030116 A1 With international search report.

Main International Patent Class: **G06F-003/023**
International Patent Class: **G06F-003/033**
Fulltext Availability:
  Detailed Description

Detailed Description
... is achieved by
  providing an associated display area within, on or situated adjacent to the **key** .

  The default **assigned** secondary **characters** are provided adjacent to the **keys**
  on the **keypad** , and the user **presses** the keys to input characters in accordance with a

22/5,K/13   (Item 13 from file: 349)

00971796   **Image available**
**GRAPHIC USER INTERFACE WITH REMOTE CONFIGURATION TO ACCESS COMPUTER NETWORK
SYSTEME ET DISPOSITIF EXPLOITES AU MOYEN D'UN ECRAN DE TERMINAL DESTINE A
   DES APPLICATIONS INTERACTIVES ET MUTLIVOIES D'UNE INTERFACE UTILISATEUR
   GRAPHIQUE AVEC UNE CONFIGURATION A DISTANCE AFIN D'AVOIR ACCES A UN
   RESEAU INFORMATIQUE**
Patent Applicant/Assignee:
  FUNDACAO CENTROS DE REFERENCIA EM TECNOLOGIAS INOVADORAS - CERTI, Campus
    da Universidade Federal de Santa Catarina, Acesso Pantanal, Sector C,
    Trindade, CPE-88040-970 Florianopolis, SC, BR, BR (Residence), BR
    (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
  STEIDLE Manuel, Campus da Universidade Federal de Santa Catarina, Acesso
    Pantanal, Sector C, Trindade, CPE-88040-970 Florianopolis, SC, BR, BR
    (Residence), BR (Nationality), (Designated only for: US)
  GUIMARAES Marcelo Ferreira, Campus da Universidade Federal de Santa
    Catarina, Acesso Pantanal, Sector C, Trindade, CPE-88040-970
    Florianopolis, SC, BR, BR (Residence), BR (Nationality), (Designated
    only for: US)
  PRADO Dimitri Eberhardt, Campus da Universidade Federal de Santa
    Catarina, Acesso Pantanal, Sector C, Trindade, CPE-88040-970
    Florianopolis, SC, BR, BR (Residence), BR (Nationality), (Designated
    only for: US)
  RITZKE Cristiano Kurt, Campus da Universidade Federal de Santa Catarina,
    Acesso Pantanal, Sector C, Trindade, CPE-88040-970 Florianopolis, SC,
    BR, BR (Residence), BR (Nationality), (Designated only for: US)
  PRALON SANTOS Ricardo Antonio, Campus da Universidade Federal de Santa
    Catarina, Acesso Pantanal, Sector C, Trindade, CPE-88040-970
    Florianopolis, SC, BR, BR (Residence), BR (Nationality), (Designated
    only for: US)
  BORGES Eduardo Vieira, Campus da Universidade Federal de Santa Catarina,
    Acesso Pantanal, Sector C, Trindade, CPE-88040-970 Florianopolis, SC,
    BR, BR (Residence), BR (Nationality), (Designated only for: US)
  KOHLER Denis Alexander, Campus da Universidade Federal de Santa Catarina,
    Acesso Pantanal, Sector C, Trindade, CPE-88040-970 Florianopolis, SC,
    BR, BR (Residence), BR (Nationality), (Designated only for: US)
  FONSECA BLANK Paulo Ricardo, Campus da Universidade Federal de Santa
    Catarina, Acesso Pantanal, Sector C, Trindade, CPE-88040-970
    Florianopolis, SC, BR, BR (Residence), BR (Nationality), (Designated
    only for: US)
  MENDES DE LIMA Luiz Daniel, Campus da Universidade Federal de Santa
    Catarina, Acesso Pantanal, Sector C, Trindade, CPE-88040-970
    Florianopolis, SC, BR, BR (Residence), BR (Nationality), (Designated
    only for: US)
Legal Representative:
  LLC INFO CONNECTION LTDA (agent), 60 Hermengarda St., RM 403, Meier,
    CEP-20710-010 Rio de Janeiro, BR,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200300001 A2-A3 20030103 (WO 0300001)
  Application: WO 2002BR87 20020620 (PCT/WO BR0200087)
  Priority Application: BR 20012488 20010622
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AG AL AM AT AU AZ BA BB BG BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES
  FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU
  LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR
  TT TZ UA UG US UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
  (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: **G06F-003/14**
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 4243

English Abstract
  System and device applied by means of a terminal screen aimed at
  interactive and multi-channel application of user graphic interface with
  remote configuration to access a computer network, characterized by the
  association of physical command devices (2, 3, 6 and 7), which are
  comprised by mechanical keys such as direct access buttons made up of
  physical keys (6, 7) of direct access, and by electronic keys conformed
  as virtual keys (2 and 3), when provided with a touch-screen device; of
  graphic interface comprised by four elements represented by a channel bar
  (2), a command line (3), a selected or current channel position (4) and
  display area of the current channel (5), the referred graphic interface
  being preferably conformed as an "L" shape; a communication device (18)
  provided to allow connection to a computer network by means of TCP/IP
  protocol; an alpha-numerical keyboard device (8) for typing URL addresses
  and executing functions of the current URL (5), and an application which
  is intended for the recognition of response instrutions of remote CGI
  related to the setup of virtual buttons.

French Abstract
  L'invention se rapporte a un systeme et un dispositif exploites au moyen
  d'un ecran de terminal destine a des applications interactives et
  multivoies d'une interface utilisateur graphique avec une configuration a
  distance afin d'avoir acces a un reseau informatique, et caracterises par
  l'association de dispositifs a commande physique (2, 3, 6 et 7) qui sont
  constitues de cles mecaniques telles que des boutons d'acces direct faits
  de cles physiques (2 et 3) lorsqu'ils sont fournis avec un ecran tactile,
  d'une interface graphique comprenant quatre elements representes par une
  barre de choix de canaux (2), une ligne de commande (3), une position de
  canal choisie ou actuelle (5), l'interface graphique de reference
  adoptant de preference une forme en <= L >=. L'invention concerne aussi
  un dispositif de communication (18) servant a etablir une connexion entre
  un reseau informatique au moyen du protocole TCP/IP ; un dispositif de
  clavier alpha-numerique (8) afin de taper les adresses URL et d'executer
  les fonctions de l'URL actuelle (5), et une application qui sert a
  reconnaitre des instructions de reponse du CGI a distance liees a la mise
  en place de boutons virtuels.

Main International Patent Class: **G06F-003/14**
Fulltext Availability:
  Detailed Description

Detailed Description
... of the
  scrolling device (6) and rapid access keys (7) as

if they were function **keys** of the **keyboard** itself,
designating a code **value** to the **pressed** **keys**
through an internal table of **keyboard** codes.

The **keyboard** sends this code to the keyboard
controller (10) , which identifies this code as a
command...

00931231   **Image available**
GLOBAL TEXT INPUT APPARATUS
APPAREIL DE SAISIE DE TEXTE GLOBAL
Patent Applicant/Assignee:
  TAYLOR Russell Jeffrey, 16 Tandoor Street, Morningside, QLD, 4170, AU, AU
    (Residence), AU (Nationality)
  LITSTER Gregory John, 201 Arthur Street, Newstead, QLD, 4006, AU, AU
    (Residence), AU (Nationality)
Patent Applicant/Inventor:
  THOMAS Ronald Howard, 28 Bangalow Street, Bridgeman Downs, QLD, 4035, AU,
    AU (Residence), AU (Nationality)
Legal Representative:
  LITSTER G J (agent), P.O. Box 7089, Riverside Centre, Brisbane, QLD 4001,
    AU,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200265267 A1 20020822 (WO 0265267)
  Application: WO 2002AU135 20020213 (PCT/WO AU0200135)
  Priority Application: AU 20013104 20010214
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
  EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
  LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
  SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
Main International Patent Class: **G06F-003/023**
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 4859

English Abstract
  An input apparatus suitable for keypads having a limited number of keys
  and a plurality of Letters assigned to each of a set of keys. A desired
  letter may be selected from one of the Letters on any of the keys using
  one Letter-key stroke in conjunction with a Smart Key to define the
  Letter. Smart Keys are identified with a number, or other indicating
  means such as color, associating them with the sequential position of
  Letters displayed on the Letter keys, and are **pressed** in conjunction
  with the Letter **key** to which the desired **Letter** is **assigned** . Touch
  typing on a limited **keyboard** is possible after a short period of
  practice.

French Abstract
  L'invention concerne un appareil de saisie adapte pour claviers possedant
  un nombre limite de touches et plusieurs lettres assignees a chaque
  ensemble de touches. Une lettre desiree peut etre selectionnee a partir
  d'une des lettres sur une touche quelconque en utilisant une touche
  lettre conjointement a une touche intelligente pour definir la lettre.
  Les touches intelligentes sont identifiees par un nombre, ou d'autres
  elements d'identification tels que la couleur, les associant a la
  position sequentielle des lettres affichees sur les touches lettres, et
  sont pressees conjointement a la touche lettre a laquelle est assignee la
  lettre desiree. La frappe par simple toucher sur un clavier limite est
  possible apres une courte periode de pratique.

Legal Status (Type, Date, Text)
Publication 20020822 A1 With international search report.

Main International Patent Class: **G06F-003/023**

English Abstract
...associating them with the sequential position of Letters displayed on
the Letter keys, and are **pressed** in conjunction with the Letter **key**
to which the desired **Letter** is **assigned** . Touch typing on a limited
keyboard is possible after a short period of practice.

00811338   **Image available**
FOLDABLE KEYBOARD FOR CARRYING PORTABLE DEVICE
CLAVIER EN FORME DE BOITIER
Patent Applicant/Inventor:
  VANN Charles, 1425 Drake Avenue, Burlingame, CA 94010, US, US (Residence)
    , US (Nationality)
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200144910 A2-A3 20010621 (WO 0144910)
  Application: WO 2000US31357 20001113   (PCT/WO US0031357)
  Priority Application: US 99464594 19991216
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE
  ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
  LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
  TR TT TZ UA UG UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: **G06F-001/16**
International Patent Class: **G06F-003/02**
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 2607

English Abstract
  The case keyboard is an input device that folds around an electronic
  instrument to protect it and provide ease of transport. Because of its
  small size and portability, the case keyboard is very practical for
  providing instructions to electronic instruments that are small in
  themselves, enabling both devices to be easily transported. The
  electronic instrument could be a personal digital assistant (PDA), small
  computer, calculator, telephone, or other portable machines.

French Abstract
  Le clavier en forme de boitier est un peripherique d'entree qui se replie
  autour d'un dispositif electronique afin de le proteger et d'en faciliter
  le transport. Grace a sa petite taille et sa portabilite, le clavier en
  forme de boitier est un outil tres pratique pour donner des instructions
  a des dispositifs electroniques qui sont eux-memes de dimensions
  reduites; il est ainsi facile de transporter les deux dispositifs. Parmi
  ces dispositifs electroniques, on pourrait citer les assistants
  personnels (PDA), les ordinateurs de poche, les calculettes, les
  telephones ou d'autres machines portables.

Legal Status (Type, Date, Text)
Publication   20010621 A2 Without international search report and to be
                          republished upon receipt of that report.
Examination   20011004 Request for preliminary examination prior to end of
                          19th month from priority date
Search Rpt   20020110 Late publication of international search report
Republication 20020110 A3 With international search report.

Main International Patent Class: **G06F-001/16**
International Patent Class: **G06F-003/02**

Fulltext Availability:
  Detailed Description

Detailed Description
... cursor positioner.
  Operation
  Operation of the first embodiment is the same as with the
  standard **keyboard** . The fingers **push** down on the **key** **designating**
  the **character** desired at the instrument.

  Most **keys** in the second embodiment are activated the same
  as with a standard keyboard. However unlike...

00798049 **Image available**
PATTERN MATCHING METHOD AND APPARATUS
PROCEDE ET DISPOSITIF D'APPARIEMENT DE MOTIFS
Patent Applicant/Assignee:
  CANON KABUSHIKI KAISHA, 30-2 3-Chome Shimomaruko, Ohta-Ku, Tokyo, JP, JP
    (Residence), JP (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
  GARNER Philip Neil, Canon Research Centre Europe Limited, 1 Occam Court,
    Occam Road, Surrey Research Park, Guildford, Surrey GU2 5YJ, GB, GB
    (Residence), GB (Nationality), (Designated only for: US)
  CHARLESWORTH Jason Peter Andrew, Canon Research Centre Europe Limited, 1
    Occam Court, Occam Road, Surrey Research Park, Guildford, Surrey GU2
    5YJ, GB, GB (Residence), GB (Nationality), (Designated only for: US)
  HIGUCHI Asako, Corp IP and Legal Headquarters, 30-2 3-Chome Shimomaruko,
    Ohta-Ku, Tokyo 146-8501, JP, JP (Residence), JP (Nationality),
    (Designated only for: US)
Legal Representative:
  BERESFORD Keith Denis Lewis (et al) (agent), Beresford & Co., 2-5 Warwick
    Court, High Holborn, London WC1R 5DJ, GB,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200131627 A2-A3 20010503 (WO 0131627)
  Application: WO 2000GB4112 20001025 (PCT/WO GB0004112)
  Priority Application: GB 9925561 19991028; GB 9925560 19991028; GB
    200025143 20001013
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
  CN JP KR US
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Main International Patent Class: **G06F-017/30**
Publication Language: English
Filing Language: English
Fulltext Availability:
  Detailed Description
  Claims
Fulltext Word Count: 26814

English Abstract
  A system is provided for matching two or more sequences of phonemes both
  or all of which may be generated from text or speech. A dynamic
  programming matching technique is preferably used having constraints
  which depend upon whether or not the two sequences are generated from
  text or speech and in which the scoring of the dynamic programming paths
  is weighted by phoneme confusion scores, phoneme insertion scores and
  phoneme deletion scores where appropriate.

French Abstract
  L'invention concerne un systeme permettant d'apparier au moins deux
  sequences de phonemes pouvant tous etre generes a partir d'un texte ou
  d'un discours. On utilise de preference une technique d'appariement a
  programmation dynamique possedant des contraintes qui dependent de ce que
  les sequences sont generees a partir d'un texte ou d'un discours et dans
  lesquelles le denombrement des chemins de programmation dynamique est
  pondere par des indices de confusion de phonemes, d'insertion de phonemes
  ou de suppression de phonemes, la ou c'est necessaire.

Legal Status (Type, Date, Text)
Publication 20010503 A2 Without international search report and to be
                        republished upon receipt of that report.
Examination 20010913 Request for preliminary examination prior to end of
                      19th month from priority date

Search Rpt   20020523 Late publication of international search report
Republication 20020523 A3 With international search report.

Main International Patent Class: **G06F-017/30**
Fulltext Availability:
  Detailed Description

Detailed Description
... via a
  keyboard which assigns more than one character to each
  key (such as the **keyboard** of a mobile phone), where the
  user must repeatedly **press** each **key** to cycle through the
   characters   assigned to that **key** , In such an embodiment,
  the confusion probabilities would be adjusted so that
  characters assigned to...

00651364
User adaptive system and method
Dem Benutzer anpassungsfahiges System und Verfahren
Systeme et methode d'adaptation a l'utilisateur
PATENT ASSIGNEE:
  Hitachi, Ltd., (204141), 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo
    101, (JP), (Proprietor designated states: all)
INVENTOR:
  Sumino, Shigeo, Raionzu Gaden Chofu Daini-205, 47 Tamagawa-1-chome,
    Chofu-shi, (JP)
  Miyatake, Takafumi, Hitachi Koyasudai Apato A204, 32, Koyasumachi-2-chome
    , Hachioji-shi, (JP)
  Ueda, Hirotada, 22-49, Nishimachi-2-chome, Kokubunji-shi, (JP)
LEGAL REPRESENTATIVE:
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DESIGNATED STATES: FR; GB; NL
INTERNATIONAL PATENT CLASS: **G06F-009/44**
CITED PATENTS (EP B): US 5191643 A
CITED REFERENCES (EP B):
  CREATIVE LABS, INC 'SoundBlaster 16 User Reference Manual' 1992 ,
    MILPITAS, CALIFORNIA, USA * page 10-3; figures 10-1 * * page 10-6;
    figures 10-2 *;

ABSTRACT EP 627683 A2
    A user adaptive system in a computer system executing an application
program includes a storage area (132, 142) for storing therein a data
structure corresponding to a combination of setting values of parameters
to be set arbitrarily by a user for a job to be executed in the
application program, a storage area (133, 143) for updating, each time a
parameter setting operation is conducted by the user, the structure
corresponding thereto, and a storage area operative, when a value of the
data structure exceeds a threshold value, for registering a combination
of setting values of parameters associated therewith. (see image in
original document)
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  Assignee: 000906 A2 Transfer of rights to new applicant: Hitachi,
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                              MEDIA DEVELOPMENT ASSOCIATION (2112351) 4-28,
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                              designated states: FR;GB;NL)

...SPECIFICATION matrix 300 according to the present invention.
    In the setting window 200, when the radio **button** 213 is **pushed** at
the **setting** **value** input **button** 210, the **keyboard** input value 221
is "700" at the setting value input field 220, and the slide...
...frequency matrix 300 of the present invention.
    In the setting window 200, when the user **pushes** the radio **button**
213 at the **setting** **value** input **button** 210, **sets** the **keyboard**
input **value** 221 to "700" at the setting value input field 220, and then
moves the slide...200 on the display 110, the user specifies by the mouse
120 or from the **keyboard** 150 the **setting** **values** at the **button**
210, the field 220, and the slider 230 (step 720).
    The user then **pushes** the OK button 260 or the CANCEL button 270 to
finish the setting operation (step...

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